

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A power supply system for outputting power, comprising:
 - a fuel cell furnished with a proton-conductive electrolyte layer and a hydrogen-permeable metal layer joined to the electrolyte layer;
 - a fuel gas feeder ~~for feeding that feeds~~ a hydrogen-containing fuel gas ~~to the to~~ an anode side of the fuel cell;
 - a purge gas feeder ~~for feeding that is connected to a mixer and feeds~~ a purge gas devoid of hydrogen to the anode side of the fuel cell via the mixer;
 - a purge decision unit that, once power generation in the fuel cell stops, decides whether a purge condition under which the purge gas should be supplied to the anode side of the fuel cell is met; and
 - a purge controller that, ~~in the in an~~ event that the purge decision unit decides that the purge condition is met, actuates the purge gas feeder to replace the fuel gas within the fuel cell with the purge gas, or ~~in the in an~~ event that the purge decision unit decides that the purge condition is not met, does not actuate the purge gas feeder.
2. (Canceled)
3. (Currently Amended) A power supply system according to ~~Claim 1~~ claim 1, wherein the decision by the purge decision unit as to whether the purge condition is met is executed ~~on the on a~~ basis of at least one of a prescribed information representing ~~the an~~ operational status of the power supply system ~~and/or and a~~ prescribed information reflecting a change ~~in the power in power~~ required by the power supply system.

4. (Currently Amended) A power supply system according to ~~Claim 1~~ claim 1, wherein the purge controller actuates the purge gas feeder once a prescribed time period has elapsed after power generation by the fuel cell has ~~stop~~ stopped.

5. (Currently Amended) A power supply system according to ~~Claim 1~~ claim 1, further comprising a fuel gas pressurizing unit that, once power generation by the fuel cell has ~~stop~~ stopped but the purge gas supply portion is not actuated, ~~raises the~~ raises a pressure of the fuel gas ~~in the~~ in a fuel gas flow passage formed in the fuel cell.

6. (Currently Amended) A power supply system according to ~~Claim 5~~ claim 5, wherein the fuel gas pressurizing unit raises the pressure of the fuel gas by actuating the fuel gas feeder to supply the fuel gas, while ~~blocking the~~ blocking an outlet of the fuel gas flow passage.

7. (Currently Amended) A power supply system according to ~~Claim 3~~ claim 3, further comprising a temperature sensing unit ~~for sensing that~~ senses a temperature at a prescribed location that is part of the power supply system and that operates at a temperature which rises to a prescribed high temperature during power generation by the fuel cell,

wherein the purge decision unit decides that the purge condition is met as long as the temperature sensed by the temperature sensing unit does not go above a prescribed value.

8. (Currently Amended) A power supply system according to ~~Claim 1~~ claim 1, wherein when power generation by the fuel cell commences after the purge gas feeder has been actuated, the fuel gas feeder supplies the fuel cell with fuel gas at a level in excess of ~~the~~ of a level corresponding to the power to a power to be generated by the fuel cell.

9. (Currently Amended) A fuel cell supply system according to ~~Claim 8~~ claim 8, wherein the fuel gas feeder, when the power to be generated by the fuel cell is equal to or less than a prescribed value, supplies the fuel gas at a level in excess of the level corresponding to

the power to be generated; or when the power to be generated is greater than the prescribed value, supplies the fuel gas at a level corresponding to the power to be generated.

10. (Currently Amended) A fuel cell system according to ~~Claim 1~~claim 1, further comprising a secondary cell.

11. (Currently Amended) A power supply system according to ~~Claim 10~~claim 10, further comprising a state of charge sensing unit ~~for sensing the~~that senses a state of charge of the secondary cell,

wherein in the event that the state of charge is equal to or less than a prescribed value, charging of the secondary cell is carried out using the fuel cell, with priority ~~over the~~over an operation of shutting off power generation by the fuel cell.

12. (Currently Amended) A power supply system according to ~~Claim 3~~claim 3, further ~~comprising~~comprising:

a secondary cell; and

an output request acquiring unit ~~for acquiring~~that acquires an output request to the power supply system;

wherein when the output request acquired by the output request acquiring unit is equal to or less than a prescribed value, the purge decision unit decides that the purge condition is not met, and outputs power from the secondary cell.

13. (Withdrawn-Currently Amended) A mobile object comprising:
the power supply system according to ~~Claim 1~~claim 1 installed on board as a drive energy supply.

14. (Withdrawn-Currently Amended) A mobile object comprising:
the power supply system according to ~~Claim 1~~claim 1 installed on board as a drive energy supply; and

a predetermined start switch ~~enabling~~that enables driving of the mobile object;

wherein the purge controller actuates the purge gas feeder once a prescribed time period has elapsed after the start switch has turned off and power generation by the fuel cell has ~~stop~~stopped.

15. (Withdrawn-Currently Amended) A mobile object comprising:
the power supply system according to ~~Claim 3~~claim 3 installed on board as a drive energy supply; and
a predetermined start switch enabling driving of the mobile object;
wherein when the start switch has turned off, the purge decision unit decides that the purge condition is met.

16. (Withdrawn-Currently Amended) A mobile object comprising:
the power supply system according to ~~Claim 1~~claim 1 installed on board as a drive energy supply; and
an actuation status acquiring unit that acquires the actuation status from an actuating unit for driving the mobile object;
wherein after the purge gas feeder has been actuated during stop of the fuel cell, when the actuation status acquiring unit has acquired the actuation status after the purge gas feeder has been actuated during stop of the fuel cell, the purge controller halts the purge gas feeder.

17. (Withdrawn-Currently Amended) A mobile object according to ~~Claim 16~~claim 16, wherein
the power supply system further comprises a temperature sensing unit ~~for sensing the~~that senses a temperature of the fuel cell, and a secondary cell serving as another drive energy supply for the mobile object;
wherein when the fuel cell temperature sensed by the temperature sensing unit is equal to or less than a prescribed value, the purge controller continues to actuate the purge

gas feeder, even ~~in the~~ in an event that the actuation status acquiring unit has acquired the actuation status after the purge gas feeder has been actuated during stop of the fuel cell.

18. (Withdrawn) A method of stop a fuel cell system, comprising the steps of:

(a) during power generation by a fuel cell comprising a proton-conductive electrolyte layer and a hydrogen-permeable metal layer joined to the electrolyte layer, by supplying a hydrogen-containing fuel gas to the anode side of the fuel cell, acquiring a stop condition of the fuel cell;

(b) after acquiring the stop condition in step (a), selecting, as operating mode of the fuel cell system, an operating mode that is either a standby mode wherein power generation is halted while holding the fuel gas in the fuel gas flow passage within the fuel cell, or a stop mode wherein power generation is halted without holding the fuel gas in the fuel gas flow passage within the fuel cell; and

(c) in the event that the stop mode has been selected, supplying a purge gas devoid of hydrogen to the fuel gas flow passage within the fuel cell.

19. (Canceled)

20. (Withdrawn-Currently Amended) A mobile object ~~comprising~~ comprising:
a power supply system installed on board as a drive energy ~~supply therefor a~~
~~power supply system comprising~~ supply for the mobile object, comprising:

a fuel cell having a proton-conductive electrolyte layer and a hydrogen-permeable metal layer joined to the electrolyte layer,

a fuel gas feeder ~~for feeding~~ that feeds a hydrogen-containing fuel gas to ~~the~~ an anode side of the fuel cell,

a purge gas feeder ~~for feeding~~ that feeds a purge gas devoid of hydrogen to the anode side of the fuel cell, and

a purge controller that, once power generation in the fuel cell stops, actuates the purge gas feeder to replace the fuel gas within the fuel cell with the purge gas; ~~the mobile object further comprising~~and

an actuation status acquiring unit ~~for acquiring~~that acquires the actuation status of an actuating unit for driving the mobile object,

wherein the purge controller, after actuating the purge gas feeder during stop of the fuel cell, halts the purge gas feeder when the actuation status acquiring unit has acquired the actuation status.

21. (New) A power supply system according to claim 1, wherein the purge controller, (1) in an event that purge decision unit determines that the purge condition is met, allows actuation of the purge gas feeder by opening a valve provided downstream of the anode side of the fuel cell to replace the fuel gas within the fuel cell with the purge gas, or (2) in an event that the purge decision unit determines that the purge condition is not met, prohibits the actuation of the purge gas feeder by closing the valve.